

AUTHOR INDEX

Albertsson, M., see Eskilsson, J., 41

Arriagada, R., See Thomas, F., 267

Ashley, S., see Price, P., 53

Bachelot, F., see Mazeran, J.J., 165

Barraclough, B., see Boyages, J., 69

Bessell, E.M., Henk, J.M., Wright, J.E. and White-locke, R.A.F.
Orbital and conjunctival lymphoma treatment and prognosis, 237

Bilous, M., see Boyages, J., 69

Bonichon, F., see Soubeyran, P., 91

Bootsma, A.L., see van Vliet, J., 9

Boyages, J., Bilous, M. Barraclough, B. and Langlands, A.O.
Fat necrosis of the breast following lumpectomy and radiation therapy for early breast cancer, 69

Brochet, F., see Mazeran, J.J., 165

Brune, D., see Mazeran, J.J., 165

Brunin, F., see Mazeran, J.J., 165

Bunescu, U., see Mazeran, J.J., 165

Burgers, J.M.V., see Cosset, J.M., 61

Carr, T.E.F., see Cobb, L.M., 203

Cassoni, A., see Duchesne, G., 153

Chassagne, D., see Mazeran, J.J., 165

Chenal, C., see Le Moyec, L., 1

Chow, M., see Tait, D., 23

Cobb, L.M., Harrison, A., Dudley, N.E., Carr, T.E.F. and Humphreys, J.A.
Relative concentration of astatine-211 and iodine-125 by human fetal thyroid and carcinoma of the thyroid in nude mice, 203

Coindre, J.M., see Soubeyran, P., 91

Contesso, G., see Thomas, F., 267

Cosset, J.M., Henry-Amar, M., Burgers, J.M.V., Noordijk, E.M., Van der Werf-Messing, B., Meerwaldt, J.H. and Van der Schueren, E.
Later radiation injuries of the gastrointestinal tract in the H2 and H5 EORTC Hodgkin's disease trials: Emphasis on the role of exploratory laparotomy and fractionation, 61

Crook, J., see Mazeran, J.J., 165

Cummings, B., see Feigen, M., 181

Daly, N., see Mazeran, J.J., 165

Danczak, S., see Mazeran, J.J., 165

De Certaines, J.D., see Le Moyec, L., 1

De Schryver, A., see van Heeringen, C., 47

Demange, L., see Panis, X., 175

Dubois, J.B., see Mazeran, J.J., 165

Duchesne, G., Cassoni, A. and Pera, M.
Radiosensitivity related to neuroendocrine and endodermal differentiation in lung carcinoma lines, 153

Dudley, N.E., see Cobb, L.M., 203

Dutreix, A.
Can we compare systems for interstitial therapy?, 127

Eghbali, H., see Soubeyran, P., 91

Eskilsson, J., Albertsson, M. and Mercke, C.
Adverse cardiac effects during induction chemotherapy treatment with cis-platin and 5-fluorouracil, 41

Feigen, M., Cummings, B., Hawkins, N., Keane, T., O'Sullivan, B. and Wong, S.
Low dose postoperative adjuvant radiation therapy for rectal cancer is ineffective, 181

Fontaine, F., see Thomas, F., 267

Fowler, J.F.
What to do with neutrons in Radiotherapy: A suggestion (Letter to the Editor), 233

Froissart, D., see Panis, X., 175

Goto, M., see Okawa, T., 99

Grangean, M., see Mazeran, J.J., 165

Grau, C. and Overgaard, J.
Effect of cancer chemotherapy on the hypoxic fraction of a solid tumor measured using a local tumor control assay, 301

Haghbin, M., Sischy, B. and Hinson, J.
Combined modality preoperative therapy in poor prognostic rectal adenocarcinoma, 75

Harrison, A., see Cobb, L.M., 203

Hawkins, N., see Feigen, M., 181

Henk, J.M., see Bessell, E.M., 237

Henry-Amar, M., see Cosset, J.M., 61

Hermans, J., see Noordijk, E.M., 83

Hinson, J., see Haghbin, M., 75

Hoerni, B., see Soubeyran, P., 91

Hoffstetter, S., see Mazeran, J.J., 165

Horton, J.L., Otte, V.A., Schultheiss, T.E., Stanford, P.M., Sun, T. and Zermenio, A.

Physical characteristics of the M.D. Anderson Hospital clinical neutron beam, 17

Huart, J., see Mazeron, J.J., 165

Humphreys, J.A., see Cobb, L.M., 203

Hunter, R.D., see Makin, W.P., 253

Joiner, M.C.
A comparison of the effects of p(62)-Be and d(16)-Be neutrons in the mouse kidney, 211

Keane, T., see Feigen, M., 181

Kelland, L.R. and Steel, G.G.
Inhibition of recovery from damage induced by ionizing radiation in mammalian cells (Review), 285

Kelland, L.R. and Steel, G.G.
Differences in radiation response among human cervix carcinoma cell lines, 225

Kita, M., see Okawa, T., 99

Koch, R.F., see Paul, J.M., 105

Koechlin, M., see Mazeron, J.J., 165

Kubo, H.
Estimate of the excessive spinal cord dose in AP-PA thorax treatment, 187

Kunkler, I., see Thomas, F., 267

Labib, A., see Mazeron, J.J., 165

Lancien, G., see Le Moyec, L., 1

Langlands, A.O., see Boyages, J., 69

Le Chevalier, T., see Thomas, F., 267

Le Lan, J., see Le Moyec, L., 1

Le Moyec, L., Pellen, P., Merdrignac-Le Noan, G., Le Lan, J., Lancien, G., Chenal, C. and de Certaines, J.D.
Proton NMR relaxation times of experimental Lewis lung carcinoma after irradiation, 1

Leer, J.W.H., see Noordijk, E.M., 83

Lindblad, A.S., see Thomas, P.R.M., 245

Madelain, M., see Mazeron, J.J., 165

Mak, A.C.A., see van 't Riet, A., 227

Makin, W.P. and Hunter, R.D.
CT scanning in intracavitary therapy: Unexpected findings in "straightforward" insertions (Short Communication), 253

Maylin, C., see Mazeron, J.J., 165

Mazeron, J.J., Chassagne, D., Crook, J., Bachelot, F., Brochet, F., Brune, D., Brunin, F., Bunescu, U., Daly, N., Danczak, S., Dubois, J.B., Granjean, M., Hoffstetter, S., Koechlin, M., Huart, J., Labib, A., Madelain, M., Maylin, C., Reynaud-Bougnoux, A., Rozan, R. and Serpantie, P.
Radiation therapy of carcinomas of the skin of nose and nasal vestibule: A report of 1676 cases by the Groupe Européen de Curiethérapie, 165

McKinna, A.J., see Price, P., 53

Meerwaldt, J.H., see Cosset, J.M., 61

Mercke, C., see Eskilsson, J., 41

Merdrignac-Le Noan, G., see Le Moyec, L., 1

Miyaji, N., see Okawa, T., 99

Mouriesse, H., see Thomas, F., 267

Murray, J.C. and Parkins, C.S.
Collagen synthesis in CBA mouse heart after total thoracic irradiation, 137

Nahum, A., see Tait, D., 23

Nguyen, T.D., see Panis, X., 175

Nielsen, O.S., Von der Maase, H. and Overgaard, J.
Effect of combined 5-flourouracil and radiation on murine hematopoietic tissue, 145

Nishijima, H., see Okawa, T., 99

Noordijk, E.M., Van de Poest Clement, E., Hermans, J., Wever, A.M.J. and Leer, J.W.H.
Radiotherapy as an alternative to surgery in elderly patients with resectable lung cancer, 83

Noordijk, E.M., see Cosset, J.M., 61

O'Sullivan, B., see Feigen, M., 181

Okawa, T., Kita, M., Goto, M., Nishijima, H. and Miyaji, N.
Randomized prospective clinical study of small, large and twice-a-day fraction radiotherapy for painful bone metastases, 99

Otte, V.A., see Horton, J.L., 17

Overgaard, J., see Grau, C., 301

Overgaard, J., see Nielsen, O.S., 145

Panis, X., Demange, L., Froissart, D. and Nguyen, T.D.
Squamous cell carcinoma of the upper aero-digestive tract in women, 175

Parkins, C.S., see Murray, J.C., 137

Paul, J.M., Koch, R.F. and Philip, P.C.
Uniform analysis of dose distribution in interstitial brachytherapy dosimetry systems, 105

Pellen, P., see Le Moyec, L., 1

Pera, M., see Duchesne, G., 153

Philip, P.C., see Paul, J.M., 105

Price, P., Walsh, G., McKinna, A.J., Ashley, S. and Yarnold, J.R.
Patterns of breast relapse after local excision + radiotherapy for early stage breast cancer, 53

Reynaud-Bougnoux, A., see Mazeron, J.J., 165

Richaud, P., see Soubeyran, P., 91

Rijnders, A., see Van Dam, J., 193

Rozan, R., see Mazeron, J.J., 165

Sarrazin, D., see Thomas, F., 267

Schipper, J., see van Vliet, J., 9

Schultheiss, T.E., see Horton, J.L., 17

Serpantie, P., see Mazeron, J.J., 165

Sillet-Bach, I., see Thomas, F., 267

Sinistrero, G., Sismondi, P. and Zola, P.
Results of treatment of uterine cervix cancer by radiotherapy, 257

Sischy, B., see Haghbin, M., 75

Sismondi, P., see Sinistro, G., 257

Soubeyran, P., Eghbali, H., Bonichon, F., Coindre, J.M., Richaud, P. and Hoerni, B.
Localized follicular lymphomas: prognosis and survival of stages I and II in a retrospective series of 103 patients, 91

Southall, C., see Tait, D., 23

Stafford, P.M., see Horton, J.L., 17

Stam, P.W., see van 't Riet, A., 227

Steel, G.G.
Terminology of clinical combined radiotherapy-chemotherapy (Letter to the Editor), 315

Steel, G.G., see Kelland, L.R., 225

Steel, G.G., see Kelland, L.R., 285

Sun, T., see Horton, J.L., 17

Tait, D., Nahum, A., Southall, C., Chow, M. and Yarnold, J.R.
Benefits expected from simple conformal radiotherapy in the treatment of pelvic tumours, 23

Te Loo, H.J., see van 't Riet, A., 227

Thames, H.D.
A new model of proliferative response to fractionated irradiation (Editorial), 311

Thomas, F., Arriagada, R., Mouriesse, H., Sillet-Bach, I., Kunkler, I., Fontaine, F., Le Chevalier, T., Contesso, G. and Sarrazin, D.
Radical radiotherapy alone in non-operable breast cancer: The major impact of tumor size and histological grade on prognosis, 267

Thomas, P.R.M. and Lindblad, A.S.
Adjuvant postoperative radiotherapy and chemotherapy in rectal carcinoma: A review of the Gastrointestinal Tumor Study Group Experience, 245

Van 't Riet, A., Veen, R.E., Mak, A.C.A., Stam, P.W., van Slooten, F.H.S. and te Loo, H.J.

Comparison between predicted and actual dose distribution in interstitial therapy of the oral cavity, 227

Van Dam, J., Rijnders, A., Vanuytsel, L. and Zhang, H.-Z.
Practical implication of backscatter from outside the patient on the dose distribution during total body irradiation, 193

Van Heeringen, C., De Schryver, A. and Verbeek, E.
Sexual function disorders after local radiotherapy for carcinoma of the prostate, 47

Van Peperzeel, H.A., see van Vliet, J., 9

Van Slooten, F.H.S., see van 't Riet, A., 227

Van Vliet, J., Bootsma, A.L., van Peperzeel, H.A., Schipper, J. and Wensing, C.J.G.
Protective effects of hypoxia in the ram testis during single and split-dose X-irradiation, 9

Van de Poest Clement, E., see Noordijk, E.M., 83

Van der Schueren, E., see Cosset, J.M., 61

Van der Werf-Messing, B., see Cosset, J.M., 61

Vanuytsel, L., see Van Dam, J., 193

Veen, R.E., see van 't Riet, A., 227

Verbeek, E., see van Heeringen, C., 47

Von der Maase, H., see Nielsen, O.S., 145

Walsh, G., see Price, P., 53

Wensing, C.J.G., see van Vliet, J., 9

Wever, A.M.J., see Noordijk, E.M., 83

Whitelocke, R.A.F., see Bessell, E.M., 237

Wong, S., see Feigen, M., 181

Woudstra, E.
Improvement of depth dose distributions by addition of small doses from laterally incident beams, 31

Wright, J.E., see Bessell, E.M., 237

Yarnold, J.R., see Price, P., 53

Yarnold, J.R., see Tait, D., 23

Zermenio, A., see Horton, J.L., 17

Zhang, H.-Z., see Van Dam, J., 193

Zola, P., see Sinistrero, G., 257

SUBJECT INDEX

Adjuvant therapy, 75
Adriamycin, 301
Advanced breast cancer, 267
Astatine-211, 203

Backscatter radiation, 193
Bleomycin, 301
Bone marrow, 145
Bone metastasis, 99
Brachytherapy, 277
Breast conservation, complications, 69

C3H mammary carcinoma in vivo, 301
Carcinoma of cervix, 225, 253
Cardiac toxicity, 41
Chemotherapy, 301
Collagen, 137
Combined radiotherapy-chemotherapy, 75
Compensating filter, 187
Conformal radiotherapy planning, 23
Conservative management, 53
Cord dose, 187
CT scanning, 253
Cyclophosphamide, 301

Distant metastasis, 267
Dose specification, 127
Dose uniformity, 127

Fast neutron beam dosimetry, 17
Fat necrosis, 69
Fetal thyroid, 203
Fibrosis, 69, 137
Flat depth dose, 31
Floor of the mouth, 277
5-Fluorouracil, 41, 145
Follicular lymphoma, stages I and II, 91
Fractionation in radiotherapy, 61

Head and neck, 175
Heart, 137
Hematopoietic tissue, 145
Histological grading, 267
Hodgkin's disease, 61
Hormone production, 153
Hypoxia, 9, 301

Implantation, 165

Inhibitor, 285
Intermediate filaments, 153
Interstitial brachytherapy, 105, 127
Intracavitary therapy, 253
Iodine-125, 203
Irradiation, 1, 9, 137
Irradiation technique, 31

Linear-quadratic model, 211
Local breast relapse, 53
Local recurrence, 267
Lung cancer, 83, 153

Mammalian cell, 285
Manchester system, 105, 127
Mediastinum treatment, 187
Mitomycin C, 301
Mouse kidney, 211
Multivariate analysis, 267

Nasal pyramid, 165
Neutrons, 211
NMR, 1
Normal tissue sparing, 23

Oral interstitial applicator, 277
Orbital lymphoma, 237

Paris system, 105, 127
Pelvic tumour, 23
Photon beam, 187, 193
cis-Platin, 41
cis-Platinum, 301
Postoperative adjuvant radiation, 181
Postoperative therapy, 245
Prognosis, 237
Prognostic factor, 91, 267
Prostate cancer, 47
Proton, 1
Pseudolymphoma, 237

Quimby system, 105, 127

Radiation, 69, 145, 301
Radiation response, 225
Radiation therapy, 165, 277
Radiation, late effects, 61
Radiation, low dose, 181

- Radiation, recovery, 285
- Radiosensitivity, 153
- Ram, 9
- RBE, 211
- Rectal cancer, 75, 181, 245
- Renal damage, 211
- Resection, 83

- Sexual dysfunction, 47
- Skin cancer, 165
- Squamous cell carcinoma, female cases, tobacco, prognosis, 175
- Stem cell, 9, 145

- Testis, 9
- Thyroid cancer, 203
- Total body irradiation, 193
- Tumour, 1
- Tumour size, 267
- Twice-a-day fractionation, 99

- Uniformity Index, 105
- Uterine cervix cancer, 257
- Uterine perforation, 253

